

Name: _____

p1103: Expand Product of Linear Binomials (v16)

Question 1

Expand the product of linear binomials. $(x - 1)(x + 8)$

$$x^2 + 8x - x - 8$$

$$x^2 + 7x - 8$$

Question 2

Expand the product of linear binomials. $(x + 4)(x - 1)$

$$x^2 - x + 4x - 4$$

$$x^2 + 3x - 4$$

Question 3

Expand the product of linear binomials. $(x + 3)(x + 8)$

$$x^2 + 8x + 3x + 24$$

$$x^2 + 11x + 24$$

Question 4

Expand the product of linear binomials. $(9x + 3)(5x - 8)$

$$45x^2 - 72x + 15x - 24$$

$$45x^2 - 57x - 24$$

Question 5

Expand the product of linear binomials. $(-9x - 8)(-8x + 1)$

$$72x^2 - 9x + 64x - 8$$

$$72x^2 + 55x - 8$$

Question 6

Expand the product of linear binomials. $(x - 6)(x + 9)$

$$x^2 + 9x - 6x - 54$$

$$x^2 + 3x - 54$$

Question 7

Expand the product of linear binomials. $(8x + 7)(-9x - 9)$

$$-72x^2 - 72x - 63x - 63$$

$$-72x^2 - 135x - 63$$

Question 8

Expand the product of linear binomials. $(x - 9)(x - 1)$

$$x^2 - x - 9x + 9$$

$$x^2 - 10x + 9$$

Question 9

Expand the product of linear binomials. $(-4x + 5)(-5x + 9)$

$$20x^2 - 36x - 25x + 45$$

$$20x^2 - 61x + 45$$

Question 10

Expand the product of linear binomials. $(-9x - 7)(-7x + 4)$

$$63x^2 - 36x + 49x - 28$$

$$63x^2 + 13x - 28$$